Panasonic

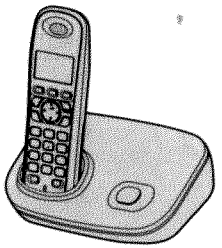
Operating Instructions

5.8 GHz Digital Cordless Phone

Model No. **KX-TG4611HK**

with 2 Handsets

Model No. **KX-TG4612HK**



Model shown is KX-TG4611HK.

This unit is compatible with Caller ID. You must subscribe to the appropriate service offered by your service provider/telephone company.

Charge the batteries for about 7 hours before initial use.

Please read these operating instructions before using the unit and save them for future reference.

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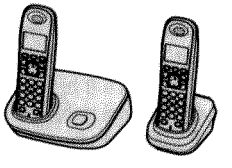
Product information

Thank you for purchasing a Panasonic digital cordless phone.

- The suffix (HK) in the following model numbers will be omitted in these instructions:
  KX-TG4611HK/KX-TG4612HK
- References in these operating instructions to the charger and multiple handsets are for KX-TG4612 only.

Notable differences between the models

KX-TG4611 series



- Model shown is KX-TG4612.

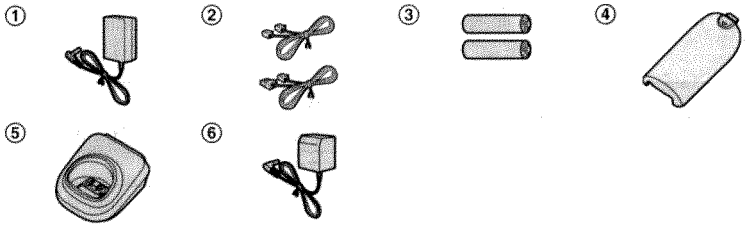
Model No.	Base unit	Handset	
	Part No.	Part No.	Quantity
KX-TG4611	KX-TG4611	KX-TGA463	1
KX-TG4612	KX-TG4612	KX-TGA460	2

Accessory information

Supplied accessories

No.	Accessory item/Part number	Quantity	
		KX-TG4611	KX-TG4612
①	AC adaptor for base unit/PQLV207E	1	1
②	Telephone line cord	2	2
③	Rechargeable batteries*1	2	4
④	Handset cover*2	1	2
⑤	Charger	–	1
⑥	AC adaptor for charger/PQLV209E	–	1

*1 See page 4 for replacement battery information.
*2 The handset cover comes attached to the handset.



Replacement battery information:

- Please contact your nearest Panasonic dealer for sales information.
- For enquiry, please call hotline 2313 0666.
- Replace batteries only with a nickel metal hydride (Ni-MH) type of battery. This model requires 2 AAA (R03) batteries for every handset. For best performance, we recommend using Panasonic rechargeable batteries (Order No. HHR-4MPT).

For your safety

To prevent severe injury and loss of life/property, read this section carefully before using the product to ensure proper and safe operation of your product.

WARNING

Power connection

- Use only the power source marked on the product.
- Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
- Completely insert the AC adaptor/power plug into the power outlet. Failure to do so may cause electric shock and/or excessive heat resulting in a fire.
- Regularly remove any dust, etc. from the AC adaptor/power plug by pulling it from the power outlet, then wiping with a dry cloth. Accumulated dust may cause an insulation defect from moisture, etc. resulting in a fire.
- Unplug the product from power outlets if it emits smoke, an abnormal smell, or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact an authorised service centre.
- Never touch the plug with wet hands. Danger of electric shock exists.

Installation

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Do not place or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident.

Operating safeguards

- Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners.
- Do not disassemble the product.
- Do not spill liquids (detergents, cleansers, etc.) onto the telephone line cord plug, or allow it to become wet at all. This may cause a fire. If the telephone line cord plug becomes wet, immediately pull it from the telephone wall jack, and do not use.

Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. (The product operates in the frequency range of 5.76 GHz to 5.84 GHz, and the RF transmission power is 200 mW (max.).)
- Do not use the product in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

CAUTION

Installation and relocation

- Never install telephone wiring during an electrical storm.
- Never install telephone line jacks in wet locations unless the jack is specifically designed for wet locations.

- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.
- This product is unable to make calls when:
  - the handset batteries need recharging or have failed.
  - there is a power failure.

Battery

- We recommend using the batteries noted on page 4. **USE ONLY rechargeable Ni-MH batteries AAA (R03) size.**
- Do not mix old and new batteries.
- Do not open or mutilate the batteries. Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
- Exercise care when handling the batteries. Do not allow conductive materials such as rings, bracelets or keys to touch the batteries, otherwise a short circuit may cause the batteries and/or the conductive material to overheat and cause burns.
- Charge the batteries provided with or identified for use with this product only, in accordance with the instructions and limitations specified in this manual.
- Only use a compatible base unit (or charger) to charge the batteries. Do not tamper with the base unit (or charger). Failure to follow these instructions may cause the batteries to swell or explode.

Important safety instructions

When using your product, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

For best performance

Base unit location/avoiding noise

The base unit and other compatible Panasonic units use radio waves to communicate with each other.

- For maximum coverage and noise-free communications, place your base unit:
  - at a convenient, high, and central location with no obstructions between the handset and base unit in an indoor environment.
  - away from electronic appliances such as TVs, radios, personal computers, wireless devices or other phones.
  - avoid facing radio frequency transmitters, such as external antennas of mobile phone cell stations (avoid putting the base unit on a bay window or near a window).
- Coverage and voice quality depends on the local environmental conditions.
- If the reception for a base unit location is not satisfactory, move the base unit to another location for better reception.

Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on the power cord or top of the product.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.
- The product should be kept away from heat sources such as heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than 5 °C or greater than 40 °C. Damp basements should also be avoided.
- The maximum calling distance may be shortened when the product is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc.
- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

Information on Disposal in other Countries outside the European Union

This symbol is only valid in the European Union.
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Routine care

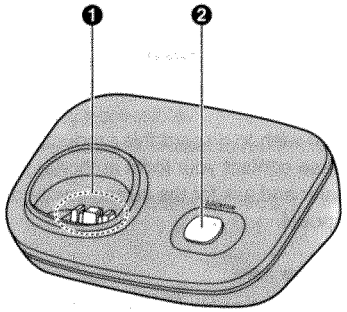
- **Wipe the outer surface of the product with a soft moist cloth.**
- Do not use benzine, thinner, or any abrasive powder.

Notice for product disposal, transfer, or return

- This product can store your private/confidential information. To protect your privacy/confidentiality, we recommend that you erase the information such as phonebook or caller list entries from the memory before you dispose of, transfer, or return the product.

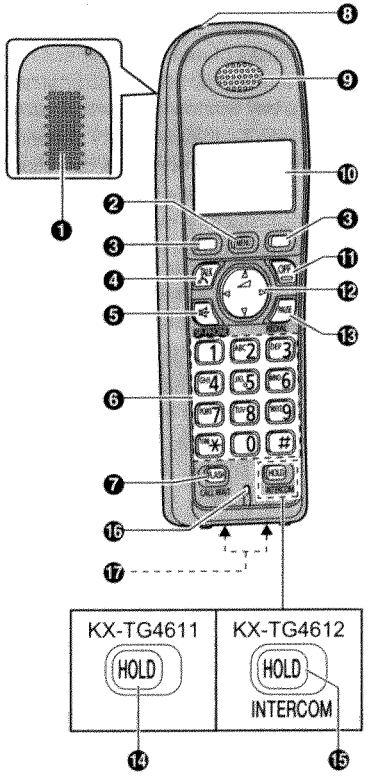
Controls

Base unit



❶ Charge contacts
❷ [LOCATOR]

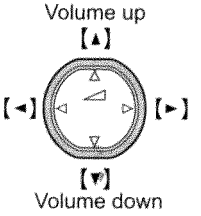
Handset



❶ Speaker
❷ [MENU]
❸ Soft keys
❹ [ ] (TALK)
❺ [ ] (SP-PHONE: Speakerphone)
❻ Dial keypad
([✳]: TONE)
❼ [FLASH] [CALL WAIT]
❽ Charge indicator
Ringer indicator
Message indicator
❾ Receiver
❿ Display
⓫ [OFF]
⓬ Navigator key ([▲]/[▼]/[◄]/[►])
(Volume: [▲]/[▼])
⓭ [PAUSE] [REDIAL]
⓮ [HOLD]
⓯ [HOLD] [INTERCOM]
⓰ Microphone
⓱ Charge contacts

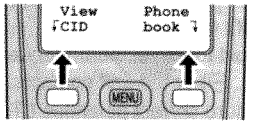
Using the navigator key

The handset navigator key can be used to navigate through menus and to select items shown on the display by pressing [▲], [▼], [◄], or [►].
To adjust the receiver or speaker volume, press [▲] to increase the volume, or press [▼] to decrease the volume repeatedly while talking.



Soft keys

The handset features 2 soft keys. By pressing a soft key, you can select the feature shown directly above it on the display.



Display

Handset display items

Item	Meaning
[▮▮▮]	Battery level
[1]	Handset number*1
Line in use	Someone is using the line.

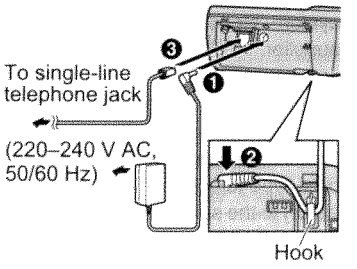
*1 KX-TG4612

Connections

Connect the AC adaptor cord (❶) by pressing the plug firmly (❷). Connect the telephone line cord until it clicks into the base unit and telephone line jack (❸).

Base unit

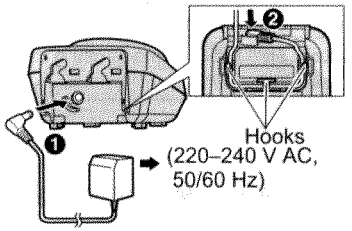
- Use only the supplied Panasonic AC adaptor PQLV207E.
- Use only the supplied telephone line cord. Using another telephone line cord may not allow the unit to work properly.



Charger

Available for:
KX-TG4612

- Use only the supplied Panasonic AC adaptor PQLV209E.



Note:

- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.
- When more than one unit is used, the units may interfere with each other. To prevent or reduce interference, please keep ample space between the base units.
- If the unit is connected to a PBX system, please consult your PBX supplier.

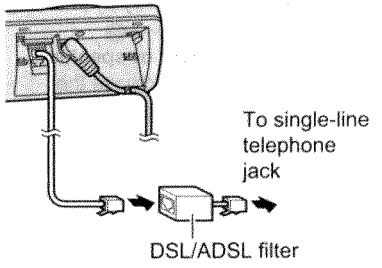
During a power failure

The unit will not work during a power failure. We recommend connecting a corded-type telephone (without AC adaptor) to the same telephone line or to the same telephone line jack using a T-adaptor.

If you subscribe to a DSL/ADSL service

Please attach a DSL/ADSL filter (contact your DSL/ADSL provider) to the telephone line between the base unit and the telephone line jack in the event of the following:

- noise is heard during conversations.
- Caller ID features do not function properly.

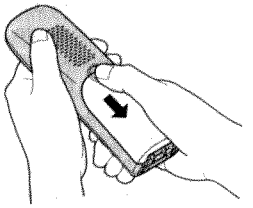


Battery installation and replacement

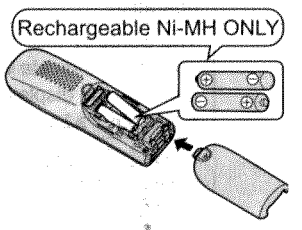
Important:

- Use the supplied rechargeable batteries (Part No. HHR-65AAAB).
- When installing the batteries:
  - Wipe the battery ends (⊕, ⊖) with a dry cloth.
  - Avoid touching the battery ends (⊕, ⊖) or the unit contacts.
  - Ensure correct polarities (⊕, ⊖).
- When replacing the batteries:
  - USE ONLY rechargeable Ni-MH batteries AAA (R03) size.
  - Do NOT use Alkaline/Manganese/Ni-Cd batteries.
  - We recommend using the Panasonic rechargeable batteries noted on page 4, 6.

1 Press the notch on the handset cover firmly, and slide it in the direction of the arrow.

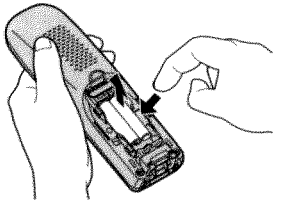


2 Insert the batteries negative (⊖) end first. Close the handset cover.



Note:

- When replacing batteries, remove the old batteries.

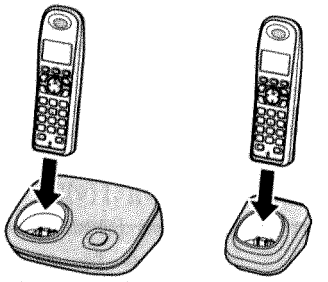


Battery charge

Place the handset on the base unit or charger for about 7 hours before initial use.

- While charging, "`Charging`" is displayed and the charge indicator on the handset lights up. When the batteries are fully charged, "`Charge completed`" is displayed.

Base unit: **Charger*1:**



*1 KX-TG4612

Note:

- It is normal for the handset to feel warm during charging.
- If you want to use the handset immediately, charge the batteries for at least 15 minutes.
- Clean the charge contacts of the handset, base unit, and charger with a soft and dry cloth once a month. Clean more often if the unit is exposed to grease, dust, or high humidity.

Battery level

Battery icon	Battery level
	High
	Medium
	Low • When flashing: Needs to be charged.
	Empty

Note:

- The batteries need to be charged if the handset beeps while you are engaged in a call.

Panasonic Ni-MH battery performance (supplied batteries)

Operation	Operating time
In continuous use	5 hours max.
Not in use (standby)	11 days max.
While using the clarity booster feature (page 16)	3 hours max.

Note:

- Actual battery performance depends on a combination of how often the handset is in use and how often it is not in use (standby).
- Even after the handset is fully charged, the handset can be left on the base unit or charger without any ill effect on the batteries.
- The battery level may not be displayed correctly after you replace the batteries. In this case, place the handset on the base unit or charger and let it charge for at least 7 hours.
- To maximise battery life, it is recommended that the handset batteries be fully discharged (used) until the battery icon flashes once every few months (Low: ▭).

Symbols used in these operating instructions

Symbol	Meaning
[ ]	The words in the brackets indicate button names/soft key names on the handset and base unit. **Example:** Unit keys: **[↷]**, **[OFF]** Soft keys: **[View CID]**, **[Phonebook]**
→	Proceed to the next operation.
" "	The words in quotations indicate the menu on the display. **Example: "Alarm"**
[▼]/[▲]: " "	Press **[▼]** or **[▲]** to select the words in quotations. **Example:** **[▼]**/**[▲]**: "Off"

Setting up the unit before use

Dialling mode

If you cannot make calls, change this setting according to your telephone line service. The default setting is "Tone".
"Tone": For tone dial service.
"Pulse": For rotary/pulse dial service.

1 **[MENU]** → **[#]**[1][2][0]
2 **[▼]**/**[▲]**: Select the desired setting.
3 **[Save]** → **[OFF]**

Date and time

1 **[MENU]** → **[#]**[1][0][1]
2 Enter the current date, month, and year by selecting 2 digits for each.
Example: 15 July, 2008
[1][5] [0][7] [0][8]
3 Enter the current hour and minute (12-hour clock format) by selecting 2 digits for each.
Example: 9:30
[0][9] [3][0]
4 **[AM/PM]**: Select "AM" or "PM".
5 **[Save]** → **[OFF]**

Note:

- To correct a digit, press **[▲]**, **[▼]**, **[◄]**, or **[►]** to move the cursor to the digit, then make the correction.
- The date and time may be incorrect after a power failure. In this case, set the date and time again.

Making calls

1 Lift the handset and dial the phone number.
- To correct a digit, press **[Clear]**.

2 Press **[↷]** or **[Call]**.

3 When you finish talking, press **[OFF]** or place the handset on the base unit or charger.

Using the speakerphone

1 Dial the phone number, and press **[🔊]**.
- Speak alternately with the other party.

2 When you finish talking, press **[OFF]**.

Note:
- For best performance, use the speakerphone in a quiet environment.
- To switch back to the receiver, press **[↷]**.

Adjusting the receiver or speaker volume

Press **[▲]** or **[▼]** repeatedly while talking.

Making a call using the redial list

The last 5 phone numbers dialled are stored in the redial list (each 48 digits max.).

1 **[REDIAL]**

2 **[▼]**/**[▲]**: Select the desired phone number.

3 **[↷]**

Erasing a number in the redial list

1 **[REDIAL]**

2 **[▼]**/**[▲]**: Select the desired phone number.

3 **[Erase]** → **[Yes]** → **[OFF]**

Pause (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service. When storing a calling card access number and/or PIN in the phonebook, a pause is also needed (page 18).

Example: If you need to dial the line access number "9" when making outside calls with a PBX:

1 **[9]** → **[PAUSE]**

2 Dial the phone number. → **[↷]**

Note:
- A 3.5 second pause is inserted each time **[PAUSE]** is pressed. Repeat as needed to create longer pauses.

Answering calls

When a call is being received, the ringer indicator flashes rapidly.

1 Lift the handset and press **[↷]** or **[🔊]** when the unit rings.
- You can also answer the call by pressing any dial key from **[0]** to **[9]**, **[✱]**, or **[#]**. **(Any key answer feature)**

2 When you finish talking, press **[OFF]** or place the handset on the base unit or charger.

Auto talk

You can answer calls simply by lifting the handset off the base unit or charger. You do not need to press **[↷]**. To turn this feature on, see page 21.

Adjusting the handset ringer volume

Press **[▲]** or **[▼]** repeatedly to select the desired volume while the handset is ringing for an incoming call.

Note:
- You can also program the handset ringer volume beforehand (page 21).

Temporary handset ringer off

While the handset is ringing for a call, you can turn the ringer off temporarily by pressing **[OFF]**.

Useful features during a call

Hold

This feature allows you to put an outside call on hold.

1 Proceed with the operation for your model.
- **KX-TG4611**
  Press **[HOLD]** during an outside call.
- **KX-TG4612**
  Press **[HOLD]** 2 times during an outside call.

2 To release hold, press **[↷]**.
- Another handset user can take the call by pressing **[↷]**. (KX-TG4612)

Note:
- If a call is kept on hold for more than 9 minutes, an alarm tone starts to sound and the ringer indicator flashes rapidly. After 1 additional minute on hold, the call is disconnected.
- If another phone is connected to the same line (page 10), you can also take the call by lifting its handset.

Mute

While mute is turned on, you can hear the other party, but the other party cannot hear you.

1 Press **[Mute]** during an outside call.
- **[Mute]** flashes.

2 To return to the conversation, press **[Mute]** again.

Note:
- **[Mute]** is a soft key visible on the handset display during a call.

Flash

[FLASH] allows you to use the special features of your host PBX such as transferring an extension call, or accessing optional telephone services.

Note:
- To change the flash time, see page 21.

For call waiting or Call Waiting Caller ID service users

To use call waiting, you must first subscribe to the call waiting service of your service provider/telephone company.

This feature allows you to receive calls while you are already talking on the phone. If you receive a call while on the phone, you will hear a call waiting tone. **If you subscribe to both Caller ID and Call Waiting with Caller ID services,** the 2nd caller's information is displayed after you hear the call waiting tone on the handset.

1 Press **[CALL WAIT]** to answer the 2nd call.

2 To switch between calls, press **[CALL WAIT]**.

Note:

- Please contact your service provider/telephone company for details and availability of this service in your area.

Temporary tone dialling (for rotary/pulse service users)

You can temporarily switch the dialling mode to tone when you need to access touch-tone services (for example, answering services, telephone banking services, etc.).
Press [✱] (TONE) before entering access numbers which require tone dialling.

Handset clarity booster

This feature can improve sound clarity when the handset is used in an area where there may be interference. During an outside call, this feature is turned on automatically when necessary.

- When this feature is turned on, "BOOST" flashes.
- While this feature is turned on, the battery operating time is shortened (page 12).

Call share

Available for:
KX-TG4612

This feature allows you to join an existing outside call.
To join the conversation, press [↷] when the other handset is on an outside call.

Phonebook

The phonebook allows you to make calls without having to dial manually. You can add 50 names and phone numbers to the phonebook.

- KX-TG4612: If you add entries on one handset, the entries can be shared on another handset. Only 1 person can access the phonebook at a time.

Adding entries

1 **[Phonebook]**
2 **[Add]**
3 Enter the party's name (16 characters max.). → **[Next]**
4 Enter the party's phone number (32 digits max.). → **[Next]** → **[Save]**
   - To add other entries, repeat from step 2.
5 **[OFF]**

Note:

- Caller ID subscribers can use ringer ID feature (page 25).

Character table for entering names

Key	Character
[1]	& ' ( ) , − . / 1
[2]	a b c A B C 2
[3]	d e f D E F 3
[4]	g h i G H I 4
[5]	j k l J K L 5
[6]	m n o M N O 6
[7]	p q r s P Q R S 7
[8]	t u v T U V 8
[9]	w x y z W X Y Z 9
[0]	0 Space
[✱]	✱
[#]	#

- To enter another character that is located on the same dial key, first press [►] to move the cursor to the next space.

Correcting a mistake

Press [◄] or [►] to move the cursor to the character or number you want to erase, then press **[Clear]**. Enter the appropriate character or number.

- Press and hold **[Clear]** to erase all characters or numbers.

Finding and calling a phonebook entry

Scrolling through all entries

1 **[Phonebook]** → **[Search]**
2 [▼]/[▲]: Select the desired entry.
3 [↷]

Searching by first character (alphabetically)

1 **[Phonebook]** → **[Search]**
2 Press the dial key ([0] – [9], [✱], or [#]) which contains the character you are searching for (page 17).
   - Press the same dial key repeatedly to display the first entry corresponding to each character located on that dial key.
   - If there is no entry corresponding to the character you selected, the next entry is displayed.
3 [▼]/[▲]: Scroll through the phonebook if necessary.
4 [↷]

Editing entries

1 Find the desired entry (page 17). → **[Option]**

2 **[▼]**/**[▲]**: "Edit" → **[Select]**

3 Edit the name if necessary (16 characters max.; page 17). → **[Next]**

4 Edit the phone number if necessary (32 digits max.). → **[Next]** → **[Save]** → **[OFF]**

Erasing entries

1 Find the desired entry (page 17).

2 **[Erase]** → **[Yes]** → **[OFF]**

Chain dial

This feature allows you to dial phone numbers in the phonebook while you are on a call. This feature can be used, for example, to dial a calling card access number or bank account PIN that you have stored in the phonebook, without having to dial manually.

1 During an outside call, press **[MENU]**.
- Instead of pressing **[MENU]**, you can also press **[Ph.book]** if it is shown on the display.

2 **[▼]**/**[▲]**: Select the desired entry.

3 Press **[Call]** to dial the number.

Note:

- When storing a calling card access number and your PIN in the phonebook as one phonebook entry, press **[PAUSE]** to add pauses after the number and PIN as necessary (page 14).
- If you have rotary/pulse service, you need to press **[✱]** before pressing **[MENU]** in step 1 to change the dialling mode temporarily to tone.

Programmable settings

You can customize the unit by programming the following features using the handset. To access the features, there are 2 methods:

– scrolling through the display menus (page 19)

– using the direct commands (page 21)

- Mainly the direct command method is used in these operating instructions.

Programming by scrolling through the display menus

1 **[MENU]**

2 Press **[▼]** or **[▲]** to select the desired main menu. → **[Select]**

3 Press **[▼]** or **[▲]** to select the desired item in sub-menu 1. → **[Select]**
- In some cases, you may need to select from sub-menu 2. → **[Select]**

4 Press **[▼]** or **[▲]** to select the desired setting. → **[Save]**
- This step may vary depending on the feature being programmed.
- To exit the operation, press **[OFF]**.

Note:

- See page 21 for the default settings.

Main menu	Sub-menu 1	Sub-menu 2	Page
V.M. access	–	–	27
Night mode	On/Off	–	23
	Start/End	–	23
Ringer setting	Ringer volume	–	–
	Ringer tone	–	–
Set date & time	Date and time*1	–	13
	Alarm	–	23
	Time adjustment*1, *2	–	–

Main menu	Sub-menu 1	Sub-menu 2	Page
Initial setting	Voice Mail	Store VM access#*1	27
		VM tone detect*1	27
	Message alert	–	28
	LCD contrast	–	–
	Key tone	–	–
	Auto talk	–	14
	Set tel line	Set dial mode*1	13
		Set flash time*1	15
		Set line mode*1	–
	Registration	HS registration	36
		Deregistration	36

*1 If you program these settings using one of the handsets, you do not need to program the same item using another handset. (KX-TG4612)

*2 If the Caller ID time and date display service is available in your area, this feature allows the unit to automatically adjust the date and time setting when caller information is received. To use this feature, set the date and time first.

Programming using the direct commands

1 **[MENU]** → **[#]**

2 Enter the desired feature code.

3 Enter the desired setting code. → **[Save]**

- This step may vary depending on the feature being programmed.
- To exit the operation, press **[OFF]**.

Note:

- In the following table, < > indicates the default settings.

Feature	Feature code	Setting code	System setting*1	Page
Auto talk*2	[2][0][0]	[1]: On [0]: <Off>	–	14
Date and time	[1][0][1]	–	●	13
Deregistration	[1][3][1]	–	–	36
HS registration (Handset registration)	[1][3][0]	–	–	36
Key tone*3	[1][6][5]	[1]: <On> [0]: Off	–	–
LCD contrast (Display contrast)	[1][4][5]	[1]–[6]: Level 1–6 <3>	–	–
Message alert	[3][4][0]	[1]: <On> [0]: Off	–	28
Night mode (On/Off)	[2][3][8]	[1]: On [0]: <Off>	–	23
Night mode (Start/End)	[2][3][7]	<11:00 PM/06:00 AM>	–	23
Ringer tone*4 (Handset)	[1][6][1]	[1]–[3]: Tone <1>–3 [4]–[7]: Melody 1–4	–	–
Ringer volume (Handset)	[1][6][0]	[1]: Low [2]: Medium [3]: <High> [0]: Off	–	–
Set alarm	[7][2][0]	[1]: Once [2]: Daily [0]: <Off>	–	23
Set dial mode	[1][2][0]	[1]: Pulse [2]: <Tone>	●	13
Set flash time*5	[1][2][1]	[1]: <700ms> [2]: 600ms [3]: 400ms [4]: 300ms [5]: 250ms [6]: 110ms [7]: 100ms [8]: 90ms	●	15
Set line mode*6	[1][2][2]	[1]: A [2]: <B>	●	–
Store VM access#	[3][3][1]	–	●	27

Feature	Feature code	Setting code	System setting*1	Page
Time adjustment*7 (Caller ID subscribers only)	[2][2][6]	[1]: Caller ID[auto] [0]: <Manual>	●	–
V.M. access	[3][3][0]	–	–	27
VM tone detect	[3][3][2]	[1]: On [0]: <Off>	●	27

*1 If "System setting" column is checked, you do not need to program the same item using another handset. (KX-TG4612)
*2 If you subscribe to Caller ID service and want to view the caller's information after lifting up the handset to answer a call, turn off this feature.
*3 Turn this feature off if you prefer not to hear key tones while you are dialling or pressing any keys, including confirmation tones and error tones.
*4 If you select one of the melody ringer tones, the ringer tone will continue to play for several seconds even if the caller has already hung up. You may either hear a dial tone or no one on the line when you answer the call.
*5 The flash time depends on your telephone exchange or host PBX. Contact your PBX supplier if necessary.
*6 Generally, the line mode setting should not be adjusted. If "Line in use" is not displayed when another phone connected to the same line is in use, you need to change the line mode to "A".
*7 If the Caller ID time and date display service is available in your area, this feature allows the unit to automatically adjust the date and time setting when caller information is received. To use this feature, set the date and time first.

Special instructions for programmable settings

Night mode

Night mode allows you to select a span of time during which the handset will not ring for outside calls. This feature is useful for instances when you do not want to be disturbed, for example, while sleeping. Night mode can be set for each handset.

Important:

- Set the date and time beforehand (page 13).
- If you have set the alarm, the alarm sounds even if the night mode is turned on.

Setting the start and end time

1 [MENU] → [#][2][3][7]
2 Enter the desired hour and minute you wish to start this feature.
3 [AM/PM]: Select "AM" or "PM". → [▼]
4 Enter the desired hour and minute you wish to end this feature.
5 [AM/PM]: Select "AM" or "PM".
6 [Save] → [OFF]

Note:

- To correct a digit, press [▲], [▼], [◄], or [►] to move the cursor to the digit, then make the correction.

Turning night mode on/off

1 [MENU] → [#][2][3][8]
2 [▼]/[▲]: Select "On" or "Off". → [Save] → [OFF]

Note:

- When the night mode is turned on, "Night mode" is displayed during the selected period.

Alarm

You can set one of 2 different alarm options (once or daily) at a time for each handset. An alarm sounds at the set time for 1 minute.
You can choose an alarm sound from 3 tones and 4 melodies.

Important:

- Set the date and time beforehand (page 13).

1 [MENU] → [#][7][2][0]
2 [▼]/[▲]: Select the desired alarm option. → [Select]

Off	Turns alarm off. Go to step 5.
Once	An alarm sounds once at the set time. Enter the desired date, month, and year.
Daily	An alarm sounds daily at the set time.

3 Set the desired time. → [OK]
4 [▼]/[▲]: Select the desired ringer tone. → [Save]
- If you set a tone or melody, we recommend selecting a different one for outside calls.

5 [OFF]

Note:

- To stop the alarm, press any dial key or place the handset on the base unit or charger.
- When the handset is in use, the alarm will not sound until the handset is in standby mode.

- If you select "Once", the setting changes to "Off" after the alarm sounds.
- When the ringer volume for outside calls is set to off (page 21), the alarm sound is heard at a low level.

Using Caller ID service

Important:

- This unit is Caller ID compatible. To use Caller ID features, you must subscribe to Caller ID service. Contact your service provider/telephone company for details.

Caller ID features

When an outside call is being received, the phone number is displayed.
Caller information for the last 50 callers is logged in the caller list from the most recent call to the oldest.

- If the unit cannot receive caller information, the following is displayed:
  - "Out of area": The caller dialled from an area which does not provide Caller ID service.
  - "Private caller": The caller requested not to send caller information.
- If the unit is connected to a PBX system, caller information may not be received properly. Contact your PBX supplier.
- If the name display service is available in your area, the display shows caller names. For further information, please contact your service provider/telephone company.

Missed calls

If a call is not answered, the unit treats the call as a missed call. The display shows "Missed call". This lets you know if you should view the caller list to see who called while you were away.

Phonebook name display

When caller information is received and it matches a phone number stored in the phonebook, the stored name in the phonebook is displayed and logged in the caller list.

Ringer ID

This feature can help you identify who is calling by using different ringers for different callers stored in the phonebook. You can assign a different ringer to each phonebook entry. When a call is received from a caller stored in the phonebook, the assigned ringer rings after the caller information is displayed. If you select "No Ringer ID" (default), the handset uses the ringer tone you selected on page 21 when a call is received from that caller.

- The ringer may be changed after the 2nd ring.

1 Find the desired item (page 17). → [Option]
2 [▼]/[▲]: "Ringer ID" → [Select]
3 [▼]/[▲]: Select the desired setting.
4 [Save] → [OFF]

Note:

- When you assign the ringer ID to an entry in the phonebook using one handset, it is applied for another handset. (KX-TG4612)

Caller list

Important:

- Only 1 person can access the caller list at a time. (KX-TG4612)
- Make sure the unit's date and time setting is correct (page 13).

Viewing the caller list and calling back

1 [View CID]

2 Press [▼] to search from the most recent call, or [▲] to search from the oldest call.

3 To call back, press [↷]. To exit, press [OFF].

Note:

- If the item has already been viewed or answered:
  - "✓" is displayed. (KX-TG4611)
  - "✓" is displayed, even if the item was viewed or answered using another handset. (KX-TG4612)
- If an arrow "→" is displayed after the number, the whole phone number is not shown. Press [►] to see the remaining numbers. To return to the previous display, press [◄].

Editing a caller's phone number before calling back

You can edit a phone number in the caller list.

1 [View CID]

2 [▼]/[▲]: Select the desired entry. → [Select] → [Edit]

3 Add or erase digits to the beginning of the number as necessary.
- To add a digit, press the desired dial key.
- To erase a digit, press [Clear] or [#].

4 [↷]

Note:

- The edited phone number is not saved in the caller list.

Erasing selected caller information

1 [View CID]

2 [▼]/[▲]: Select the desired entry.

3 [Erase] → [Yes] → [OFF]

Erasing all caller information

1 [View CID]

2 [All erase] → [Yes]

Storing caller information into the phonebook

1 [View CID]

2 [▼]/[▲]: Select the desired entry. → [Select]
- To edit the number, press [Edit], then edit the number (see step 3 on "Editing a caller's phone number before calling back", page 26).

3 [Save]
- If there is name information for the caller, go to step 5.

4 Enter the name (16 characters max.; page 17). → [Next] → [Save]

5 [OFF]

Voice mail service

Voice mail is an automatic answering service offered by your service provider/telephone company. After you subscribe to this service, your service provider/telephone company's voice mail system answers calls for you when you are unavailable to answer the phone or when your line is busy. Messages are recorded by your service provider/telephone company, not your telephone. Please contact your service provider/telephone company for details of this service.

Storing the voice mail (VM) access number

In order to listen to your voice mail messages, you must dial your service provider/telephone company's voice mail access number. Once you have stored your voice mail access number, you can dial it automatically (page 27).

1 [MENU] → [#][3][3][1]

2 Enter your access number (32 digits max.). → [Save] → [OFF]

Note:

- When storing your voice mail access number and your mailbox password, press [PAUSE] to add pauses (page 14) between the access number and the password as necessary. Contact your service provider/telephone company for the required pause time.

Example:

222-333-4444 PPPP 8888

VM access number | Pauses | Password

To erase the voice mail access number

1 [MENU] → [#][3][3][1]

2 Press and hold [Clear] until all digits are erased. → [Save] → [OFF]

Voice mail (VM) tone detection

Your service provider/telephone company sends special signals (sometimes called "voice mail tones" or "stutter tones") to the unit to let you know you have new voice mail messages. If you hear a series of dial tones followed by a continuous dial tone after you press [↷], you have new voice mail messages. Minutes after you hang up a call or after the phone stops ringing, your unit checks the phone line to see if new voice mail messages have been recorded.

Turn this feature off when:

- You do not subscribe to voice mail service.
- Your service provider/telephone company does not send voice mail tones.
- Your phone is connected to a PBX.

If you are not sure which setting is required, contact your service provider/telephone company.

Turning VM tone detection on/off

The default setting is "Off".

1 [MENU] → [#][3][3][2]

2 [▼]/[▲]: Select the desired setting. → [Save] → [OFF]

Listening to voice mail messages

The unit lets you know that you have new voice mail messages in the following ways:

– "New Voice Mail" is displayed on the handset.
– The message indicator on the handset flashes slowly if message alert feature is turned on (page 28).

Important:

- Voice mail indications may not be shown depending on voice mail services of your service provider/telephone company.

1 Press [↘], then press [VM] within 15 seconds.
OR
[MENU] → [#][3][3][0]
- The speakerphone turns on.

2 Follow the pre-recorded instructions.

3 When finished, press [OFF].

Note:

- If [VM] is not displayed, the voice mail access number has not been stored. Store the number (page 27).
- If the handset still indicates there are new messages even after you have listened to all new messages, turn it off by pressing and holding [OFF] until the handset beeps.
- If your voice mail service uses voice mail tones and a message is over 3 minutes long, the handset may not indicate new messages.
- If your voice mail service uses voice mail tones, the tones are heard from any phone connected to the same line. If you want to use another phone to listen to voice mail messages, you have to dial your access number manually.

Message alert

You can select whether or not the message indicator on the handset flashes slowly when new messages are recorded. The default setting is "On".

1 [MENU] → [#][3][4][0]

2 [▼]/[▲]: Select the desired setting. → [Save] → [OFF]

Note:

- While message alert is on, battery operating time is shortened (page 12).

Intercom

Available for:
KX-TG4612

Intercom calls can be made between handsets.

Note:

- If you receive an outside call while talking on the intercom, you hear 2 tones.
  To answer the call with the handset, press [OFF], then press [↘].
- When paging a unit for an intercom call, the paged unit beeps for 1 minute.

Making an intercom call

1 [INTERCOM]
- To stop paging, press [OFF].

2 When you finish talking, press [OFF].

Answering an intercom call

1 Press [↘] to answer the page.

2 When you finish talking, press [OFF].

Note:

- When the ringer volume for outside calls is set to off (page 21), the handset rings at a low level for intercom calls.

Transferring calls, conference calls

Available for:
KX-TG4612

Outside calls can be transferred between 2 handsets. 2 handsets can have a conference call with an outside party.

1 During an outside call, press [INTERCOM] to put the call on hold.

2 Press the right soft key.

3 Wait for the paged party to answer.
- If the paged party does not answer, press [↘] to return to the outside call.

4 **To complete the transfer:**
Press [OFF].
- The outside call is being routed to the destination unit.

To establish a conference call:
Press [Conf].
- To leave the conference, press [OFF]. The other parties can continue the conversation.
- To put the outside call on hold, press [HOLD]. To resume the conference, press [Conf].

Answering a transferred call

Press [↘] to answer the page.

Note:

- After the paging party disconnects, you can talk to the outside caller.

Handset locator

You can locate a misplaced handset by paging it.

1 **Base unit:**
[LOCATOR]
- The handset beeps for 1 minute.

2 To stop paging:
Base unit:
Press **[LOCATOR]**.
Handset:
Press **[OFF]**.

Note:

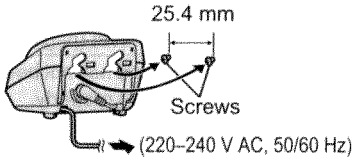
- When the ringer volume for outside calls is set to off (page 21), the handset rings at a low level for paging.

Wall mounting

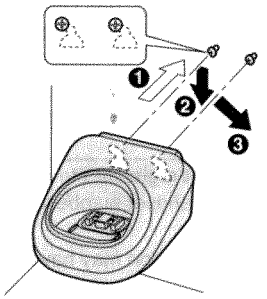
Charger

Available for:
KX-TG4612

1 Drive the screws (not included) into the wall.



2 Mount the charger (❶), then slide it down (❷) and to the right (❸) until it is secure.



Error messages

If the unit detects a problem, one of the following messages is shown on the display.

Display message	Cause/solution
Busy or System is busy. Please try again later.	• The called handset is in use.*1 • Another handset is in use and the system is busy. Try again later.*1 • The handset you are using is too far from the base unit. Move closer and try again. • The handset's registration may have been cancelled. Re-register the handset (page 36).
Check tel line	• The supplied telephone line cord has not been connected yet or not connected properly. Check the connections (page 9).
Don't use this battery.	• A wrong type of batteries such as Alkaline or Manganese was inserted. Use only the rechargeable Ni-MH batteries noted on page 4, 10.
Error!!	• The handset's registration has failed. Move the handset and base unit away from all electrical appliances and try again.
Insert battery	• The handset was placed on the base unit or charger without batteries. Insert the batteries properly (page 10).
Invalid	• There is no handset registered to the base unit matching the handset number you entered.*1 • The handset's registration may have been cancelled. Re-register the handset (page 36).
No link to base. Reconnect AC adaptor.	• The handset has lost communication with the base unit. Move closer to the base unit and try again. • Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again. • The handset's registration may have been cancelled. Re-register the handset (page 36).
Phonebook full	• The phonebook memory is full. Erase unnecessary entries (page 18).
Store VM access#	• You have not stored the voice mail access number. Store the number (page 27).

*1 KX-TG4612

Troubleshooting

If you still have difficulties after following the instructions in this section, disconnect the base unit's AC adaptor, then reconnect the base unit's AC adaptor. Remove the batteries from the handset, and then insert the batteries into the handset again.

General use

Problem	Cause/solution
The unit does not work.	• Make sure the batteries are installed correctly (page 10). • Fully charge the batteries (page 11). • Check the connections (page 9). • Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again. • The handset has not been registered to the base unit. Register the handset (page 36).
I cannot hear a dial tone.	• The base unit's AC adaptor or telephone line cord is not connected. Check the connections. • If you are using a splitter to connect the unit, remove the splitter and connect the unit to the wall jack directly. If the unit operates properly, check the splitter. • Disconnect the base unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your service provider/telephone company.
The indicator on the handset flashes slowly.	• New voice mail messages have been recorded. Listen to the new voice mail messages (page 27).

Programmable settings

Problem	Cause/solution
While programming, the handset starts to ring.	• A call is being received. Answer the call and start again after hanging up.

Battery recharge

Problem	Cause/solution
The handset beeps and/or [▮] flashes.	• Battery charge is low. Fully charge the batteries (page 11).
I fully charged the batteries, but [▮] still flashes or [ ] is displayed.	• Clean the charge contacts and charge again (page 11). • It is time to replace the batteries (page 10).
I fully charged the batteries, but the operating time seems to be shorter.	• Clean the battery ends (⊕, ⊖) and the charge contacts with a dry cloth, and charge again.

Making/answering calls, intercom

Problem	Cause/solution
Noise is heard, sound cuts in and out.	• You are using the handset or base unit in an area with high electrical interference. Place the base unit and use the handset away from sources of interference. • Move closer to the base unit. • If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details.
The handset does not ring.	• The ringer volume is turned off. Adjust the ringer volume (page 21). • Night mode is turned on. Turn it off (page 23).
I cannot make a call.	• The dialling mode may be set incorrectly. Change the setting (page 13). • The handset is too far from the base unit. Move closer and try again.

Caller ID

Problem	Cause/solution
Caller information is not displayed.	• You need to subscribe to Caller ID service. Contact your service provider/telephone company for details. • If your unit is connected to any additional telephone equipment such as a Caller ID box or cordless telephone line jack, plug the unit directly into the wall jack. • If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details. • Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again.
Caller information is displayed late.	• Depending on your service provider/telephone company, the unit may display the caller's information at 2nd ring or later. • Move closer to the base unit.
Time on the unit is shifted.	• Incorrect time information from incoming Caller ID changes the time. Set the time adjustment to off (page 22).

Registration

Problem	Cause/solution
The handset registration may have been cancelled or the communication between the base unit and the handset is unstable.	• Re-register the handset. **1** **Handset: [MENU] → [#][1][3][0]** **2** **Base unit:** Press and hold **[LOCATOR]** for 4 seconds. (No registration tone). – If another registered handset start ringing, press the same button to stop. Then repeat this step. (KX-TG4612) – The next step should be completed within 90 seconds. **3** **Handset:** Press **[OK]**, then wait until a beep sounds. → **[OFF]** – While registering, "**Base registering**" is displayed on another handset. (KX-TG4612) If the registration fails, try to deregister the handset. **KX-TG4611** Press **[MENU] → [#][1][3][1] → [3][3][5] → [OK] → [1]**, then re-register it again. **KX-TG4612** Use another handset to deregister the unstable handset. Press **[MENU] → [#][1][3][1] → [3][3][5] → [OK] → [1]** or **[2]** (The handset number which you want to cancel). Try to re-register it again. • If the above remedy does not solve the problem, consult your nearest Panasonic service centre.

Liquid damage

Problem	Cause/solution
Liquid or other form of moisture has entered the handset/base unit.	• Disconnect the AC adaptor and telephone line cord from the base unit. Remove the batteries from the handset and leave to dry for at least 3 days. After the handset/base unit are completely dry, reconnect the AC adaptor and telephone line cord. Insert the batteries and charge fully before use.

Caution:

• To avoid permanent damage, do not use a microwave oven to speed up the drying process.

Specifications

General

Operating environment	5 °C – 40 °C
Frequency	5.76 GHz – 5.84 GHz

Base unit

Dimensions	Approx. height 53 mm × width 144 mm × depth 107 mm
Mass (Weight)	Approx. 160 g
Power consumption	Standby: Approx. 1.9 W Maximum: Approx. 5.6 W
RF Transmission power	200 mW (max.)
Power supply	AC adaptor (220–240 V AC, 50/60 Hz)

Handset

Dimensions	Approx. height 156 mm × width 48 mm × depth 32 mm
Mass (Weight)	Approx. 130 g
RF Transmission power	200 mW (max.)
Power supply	AAA (R03) Ni-MH battery (2 × 1.2 V, 630 mAh)

Charger (KX-TG4612)

Dimensions	Approx. height 51 mm × width 75 mm × depth 88 mm
Mass (Weight)	Approx. 60 g
Power consumption	Standby: Approx. 1.0 W Maximum: Approx. 5.1 W
Power supply	AC adaptor (220–240 V AC, 50/60 Hz)

Note:

- Design and specifications are subject to change without notice.
- The illustrations in these instructions may vary slightly from the actual product.

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For your future reference

We recommend keeping a record of the following information to assist with any repair under warranty.

Serial No.	Date of purchase
(found on the bottom of the base unit)	
Name and address of dealer	

Attach your purchase receipt here.

Hotline Tel. No.: 2313 0666

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